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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/702,095	11/05/2003	Brian T. Donovan	LIGHT110-1	6814
38396 7	7590 07/28/2006	EXAMINER		INER
JOHN BRUCKNER, P.C.			RIELLEY, ELIZABETH A	
5708 BACK BAY LANE AUSTIN, TX 78739			ART UNIT	PAPER NUMBER
,			2879	
			DATE MAIL ED: 07/29/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)			
	10/702,095	DONOVAN ET AL.			
Office Action Summary	Examiner	Art Unit			
	Elizabeth A. Rielley	2879			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply					
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).					
Status	·				
 Responsive to communication(s) filed on <u>05 Not</u> This action is FINAL. Since this application is in condition for allowant closed in accordance with the practice under Extended 	action is non-final. see except for formal matters, pro				
Disposition of Claims					
4) Claim(s) 1-94 is/are pending in the application. 4a) Of the above claim(s) is/are withdraw 5) Claim(s) is/are allowed. 6) Claim(s) is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) 1-94 are subject to restriction and/or e .\pplication Papers 9) The specification is objected to by the Examiner 10) The drawing(s) filed on is/are: a) access	lection requirement. pted or b)□ objected to by the E				
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.					
Priority under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary (Paper No(s)/Mail Dat 5) Notice of Informal Pa 6) Other:	e			

Election/Restrictions

Restriction to one of the following inventions is required under 35 U.S.C. 121:

 Claims 1-32 and 78, drawn to an inductive coil used with a gas plasma discharge device, classified in class 315.

II. Claims 33-62, drawn to an optical signal, classified in classes 349 and 315.

III. Claims 63-77 and 79-94, drawn to capacitive coupling plates used with a gas plasma

discharge device, classified in class 315.

Inventions I, II and II are unrelated. Inventions are unrelated if it can be shown that they are not disclosed as capable of use together and they have different designs, modes of operation, and effects (MPEP § 802.01 and § 806.06). In the instant case, the different inventions are not capable of use together, have different designs, modes of operations and effects, since III and I are different mechanisms used to induce a discharge from the gas plasma, and II is based on optical signals.

Because these inventions are independent or distinct for the reasons given above and have acquired a separate status in the art because of their recognized divergent subject matter, restriction for examination purposes as indicated is proper.

Upon the selection of Group I, the following further election restriction is made:

Group A. Claims 1-11 and 16 are drawn to a method of producing a discharge from a gas plasma, classified in class 315 subclass 111.41.

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Group B. Claims 12-15, 17-32, and 78 are drawn to an apparatus used to produce a discharge from a gas plasma, classified in class 315 subclass 111.01.

Inventions A and B are related as process and apparatus for its practice. The inventions are distinct if it can be shown that either: (1) the process as claimed can be practiced by another and materially different apparatus or by hand, or (2) the apparatus as claimed can be used to practice another and materially different process. (MPEP § 806.05(e)). In this case the process as claimed can be practiced by another and materially different apparatus, such as the use of a capacitive coupling plates.

Because these inventions are independent or distinct for the reasons given above and have acquired a separate status in the art in view of their different classification, restriction for examination purposes as indicated is proper.

Upon the selection of Group II, the following further election restriction is made:

Group A. Claims 40-47 and 55-62 are drawn to an apparatus used diffract an optical signal, classified in class 349.

Group B. Claims 33-39 and 48-54 are drawn to a method of diffracting an optical signal, classified in class 315.

Inventions A and B are related as process and apparatus for its practice. The inventions are distinct if it can be shown that either: (1) the process as claimed can be practiced by another and materially different apparatus or by hand, or (2) the apparatus as claimed can be used to practice another and materially different process. (MPEP § 806.05(e)). In this case the process as claimed can be

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practiced by another, materially different apparatus, such as the use of a lens instead of a crystal may be used to diffract optical signals.

Because these inventions are independent or distinct for the reasons given above and have acquired a separate status in the art in view of their different classification, restriction for examination purposes as indicated is proper.

Upon the selection of Group III, the following further election restriction is made:

Group A. Claims 63-73 are drawn to a method of producing a discharge from a gas plasma, classified in class 315, subclass 111.41

Group B. Claims 74-77 and 79-94 are drawn to an apparatus used to produce a discharge from a gas plasma, classified in class 315 subclass 111.01.

Inventions A and B are related as process and apparatus for its practice. The inventions are distinct if it can be shown that either: (1) the process as claimed can be practiced by another and materially different apparatus or by hand, or (2) the apparatus as claimed can be used to practice another and materially different process. (MPEP § 806.05(e)). In this case the process as claimed can be practiced by another and materially different apparatus, such as the use of an inductive coil instead of capacitive coupling plates.

Because these inventions are independent or distinct for the reasons given above and have acquired a separate status in the art because of their recognized divergent subject matter, restriction for examination purposes as indicated is proper.

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Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species or invention to be examined even though the requirement be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

The election of an invention or species may be made with or without traverse. To reserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse.

Should applicant traverse on the ground that the inventions or species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the inventions or species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C.103(a) of the other invention.

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

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Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should

be directed to Elizabeth A. Rielley whose telephone number is 571-272-2117. The examiner can

normally be reached on Monday - Friday 7:30 - 4:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor,

Nimeshkumar Patel can be reached on 571-272-2457. The fax phone number for the organization where

this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application

Information Retrieval (PAIR) system. Status information for published applications may be obtained

from either Private PAIR or Public PAIR. Status information for unpublished applications is available

through Private PAIR only. For more information about the PAIR system, see http://pair-

direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

Chzaluth Rully
Elizabeth Rielley

Examiner

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